



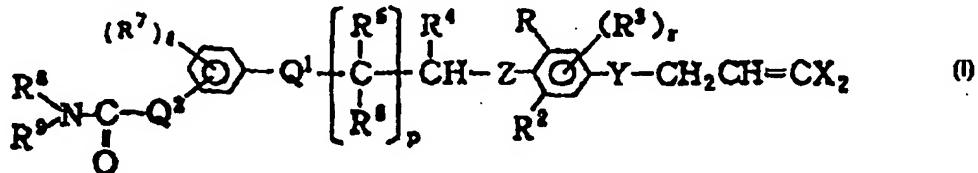
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: C07C 233/64, 235/42, 237/28, 271/40, 275/28, 333/02		A2	(11) International Publication Number: WO 97/27173 (43) International Publication Date: 31 July 1997 (31.07.97)
(21) International Application Number: PCT/JP97/00076			(74) Agents: AOYAMA, Tamotsu et al.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540 (JP).
(22) International Filing Date: 17 January 1997 (17.01.97)			
(30) Priority Data: 8/10424 24 January 1996 (24.01.96) JP			(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).
(71) Applicant (for all designated States except US): SUMITOMO CHEMICAL COMPANY, LIMITED [JP/JP]; 5-33, Kita-hama 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP).			
(72) Inventors; and (75) Inventors/Applicants (for US only): IKEGAMI, Hiroshi [JP/JP]; 2-14-7, Mefu, Takarazuka-shi, Hyogo 665 (JP). HIROSE, Taro [JP/JP]; 1-13-35-1106, Higashinakajima, Higashiyodogawa-ku, Osaka-shi, Osaka 533 (JP). SUZUKI, Masaya [JP/JP]; 2-14-7, Mefu, Takarazuka-shi, Hyogo 665 (JP). IZUMI, Keiichi [JP/JP]; 2-10-1-154, Sonehigashi-machi, Toyonaka-shi, Osaka 561 (JP). SAKAMOTO, Noriyasu [JP/JP]; 2-10-2-232, Sonehigashi-machi, Toyonaka-shi, Osaka 561 (JP). TAKANO, Hirotaka [JP/JP]; 1-6-13, Fujigaoka, Sanda-shi, Hyogo 669-13 (JP). TAKADA, Yoji [JP/JP]; 2-10-4-454, Sonehigashi-machi, Toyonaka-shi, Osaka 561 (JP).			

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: DIHALOPROPENE COMPOUNDS, THEIR USE AS INSECTICIDES/ACARICIDES AND INTERMEDIATES FOR THEIR PRODUCTION



(57) Abstract

Dihalopropene compounds of general formula (1), wherein R, R² and R³ are each independently halogen, C₁-C₃ haloalkyl or C₁-C₃ alkyl; R⁴ is hydrogen or C₁-C₃ alkyl; R⁵ and R⁶ are each independently hydrogen, C₁-C₃ alkyl or trifluoromethyl; R⁷ is halogen, C₁-C₃ alkyl or trifluoromethyl; R⁸ and R⁹ have the meanings given in the description; Q¹ is a single bond or a linkage group defined in the description; Q² is a single bond, oxygen or NR¹⁴ in which R¹⁴ is hydrogen or C₁-C₃ alkyl; X's are each independently chlorine or bromine; Y is oxygen, NH or sulfur; Z is oxygen, sulfur or NR¹⁵ in which R¹⁵ is hydrogen or C₁-C₃ alkyl, l is an integer of 0 to 4; p is an integer of 0 to 6; and r is an integer of 0 to 2, have excellent insecticidal/acaridical activity and are, therefore, useful as active ingredients of insecticidal-acaricidal agents.

BEST AVAILABLE COPY